

other; the body whorl high, increasing in diameter as it approaches the aperture; umbilicus wide, deep; aperture large, rounded, entire, the inner lip only touching the parietal wall; sculpture of rather distinct, longitudinal lines of growth resembling tightly wound thread.

Height 4.3; diameter 5.0 mm. Holotype.

Height 4.4; diameter 5.6 mm. Paratype.

Height 4.2; diameter 5.0 mm. Paratype.

Height 3.7; diameter 5.0 mm. Paratype.

Height 4.0; diameter 5.0 mm. Paratype.

*Type locality*: Fulton County, Illinois, east of Havana, in gray silt of Early Wisconsin age. *Types*: Museum Natural History, Univ. Ill., No. P2360. *Paratypes*: Acad. Nat. Sci. Phil., No. 144923.

This *Valvata* occurs in this deposit literally by thousands and must have been exceedingly abundant in the stream which it inhabited in Early Wisconsin time. It appears to bear much the same relationship to *lewisii* that *danielsi* Walker, does to *sincera*, both, perhaps, being ancestral to the species as they exist today. The high, pointed spire with its four fully exhibited whorls in lateral view are its chief characteristics.

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#### STUART WELLER

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The death of Dr. Weller is a great loss to the sciences of geology and paleontology. He was born at Maine, Broome Co., N. Y., December 26, 1870. At an early age he became interested in geology and with a view of making this science his life work he entered Cornell University in 1891, graduating in 1894, later receiving the degree of Ph. D. from Yale. He had been connected with the U. S. Geological Survey, the Geological Survey of Missouri, the

Illinois Geological Survey, and was paleontologist of the New Jersey Geological Survey from 1899-1907. He became connected with the University of Chicago in 1895, and was professor of paleontology since 1915, and geologist of the Geological Survey of Kentucky since 1920. While engaged in geological research he passed away, August 5, 1927, near Marion, Kentucky. He was the author of many reports and papers pertaining to paleontology and geology.

In a letter from Mr. Edwin E. Hand of Chicago, he says:—"I have not yet recovered from the sudden death of my friend Stuart Weller. I had a most delightful and valuable three weeks with him in July at 'Camp Wrather', St. Genevieve Co., Missouri, the geological camp of the University of Chicago. We lunched together every day, then to Ozora (2 miles) for the mail. Then two or three hours of intensive snail hunting. He was greatly interested in the work and a very efficient collector. In the Ozarkian Mollusca, by Pilsbry and Ferriss, 1903, you will find his name as a collector of many species."

C. W. J.

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#### ILLUSTRATIONS OF UNIONIDAE

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BY L. S. FRIERSON

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The mussels illustrated in plates 1, 2 and 3 were recently described in the writer's "Classified and Annotated Check List of the North American Naiades".

The types are in my collection. Cotypes have been presented to the Academy of Natural Sciences of Philadelphia.

LAMPSILIS RAFINESQUEANA Frierson, pl. 1, fig. 1 (fe-